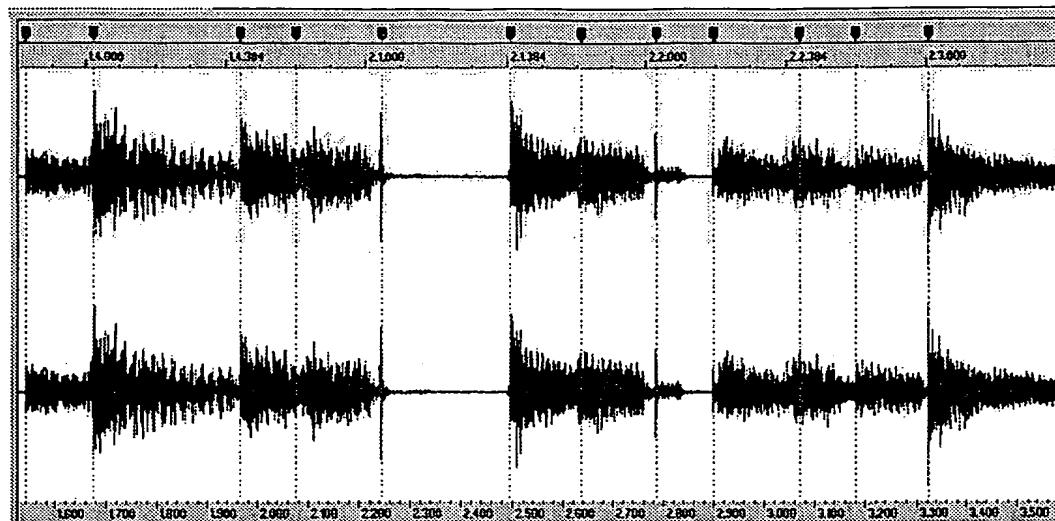
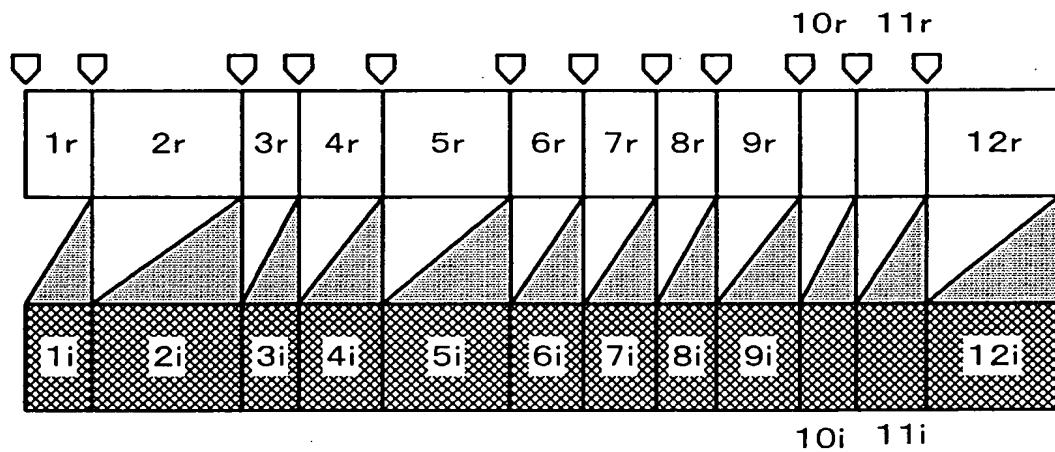


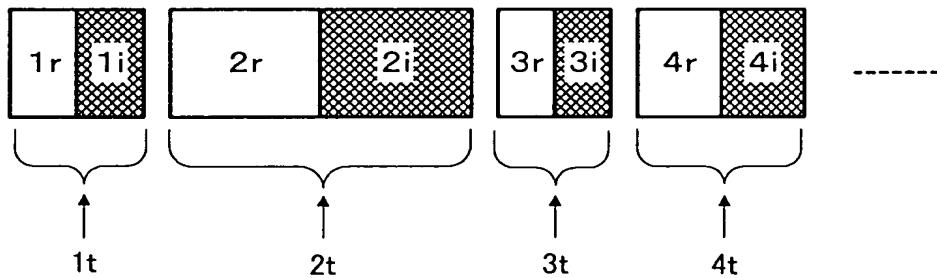
FIG. 1



F I G. 2 A

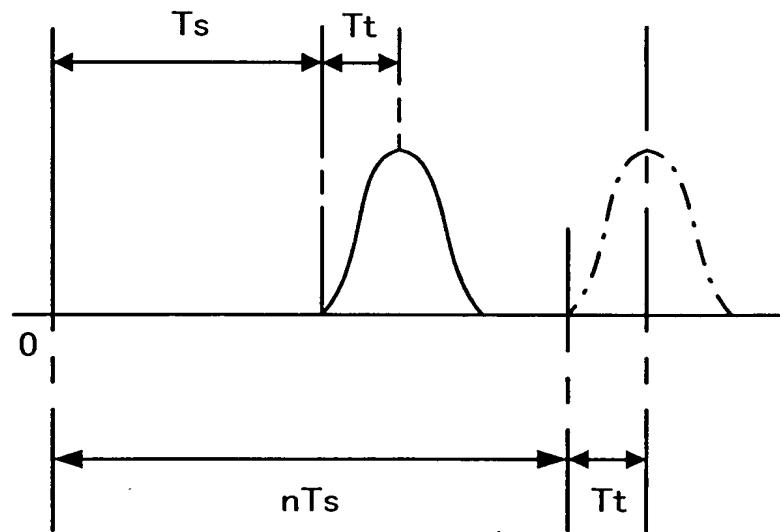


F I G. 2 B

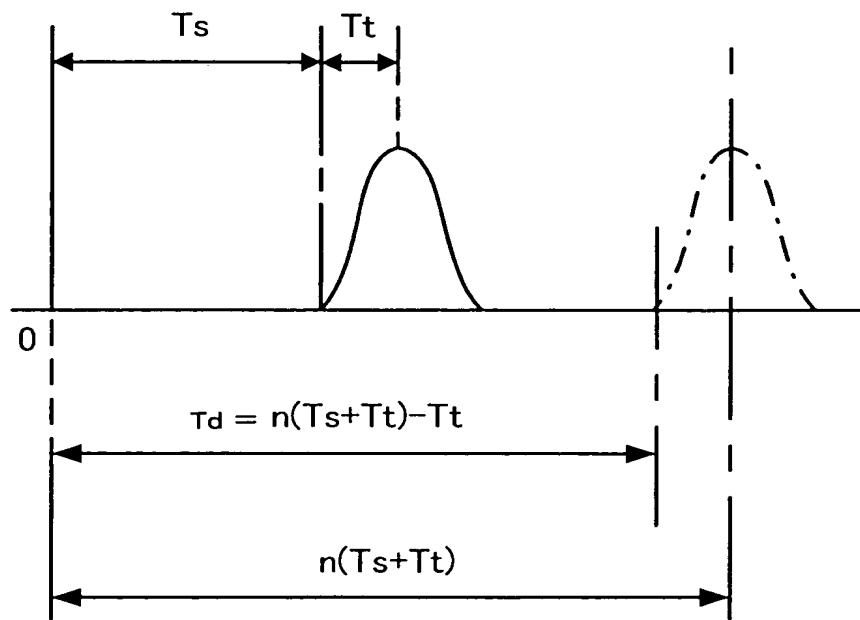


F I G. 2 C

40031973-094602

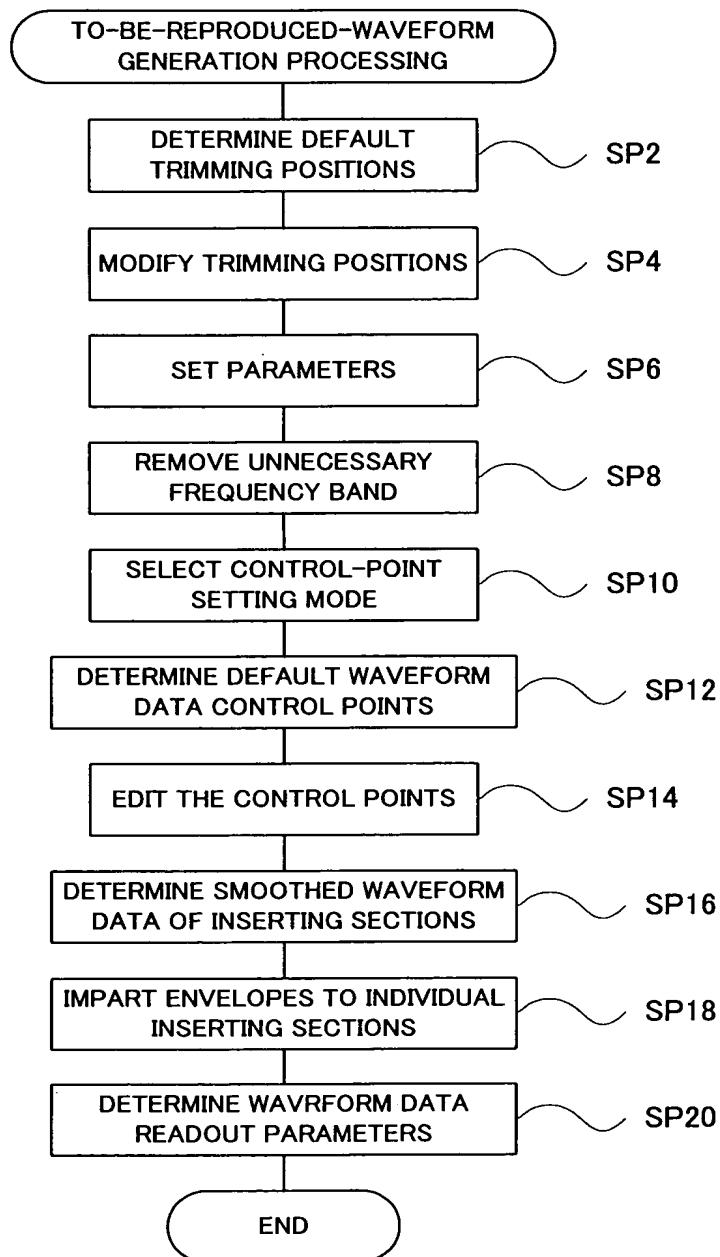


F I G. 3 A



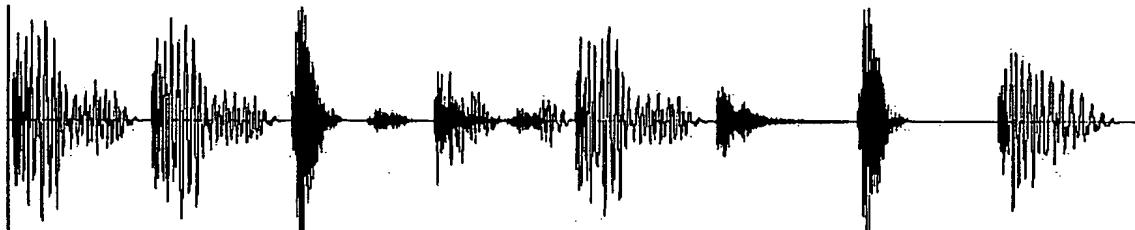
F I G. 3 B

4005427-2145007



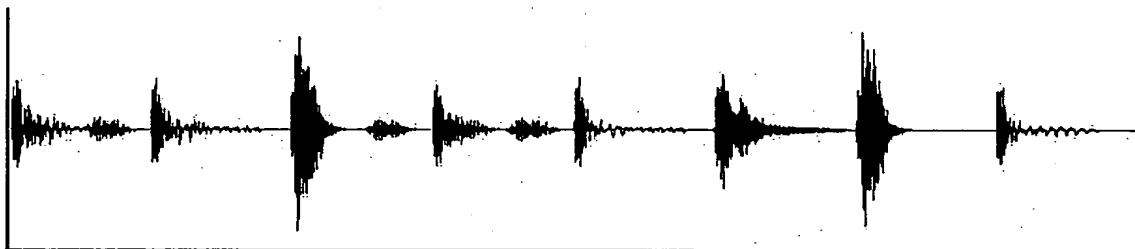
F I G. 4

INPUT SIGNAL



F I G. 5 A

RESULT OF UNNECESSARY FREQUENCY BAND REMOVAL



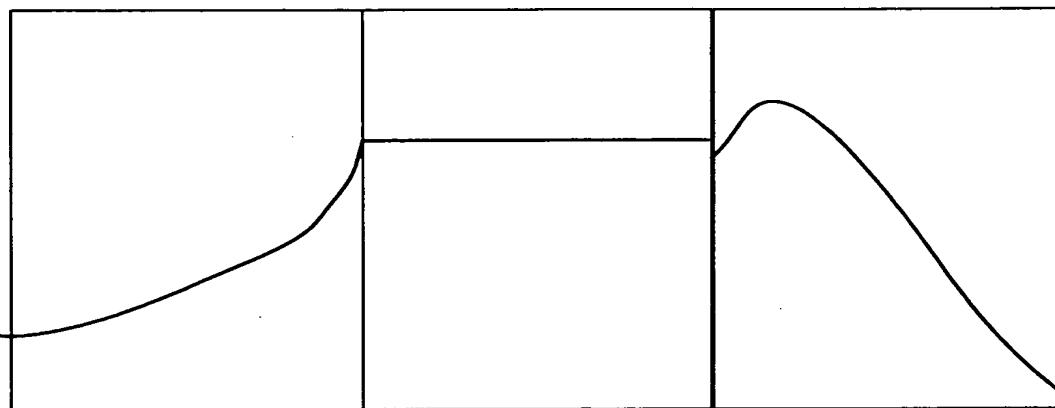
F I G. 5 B

20051023-044602

nr

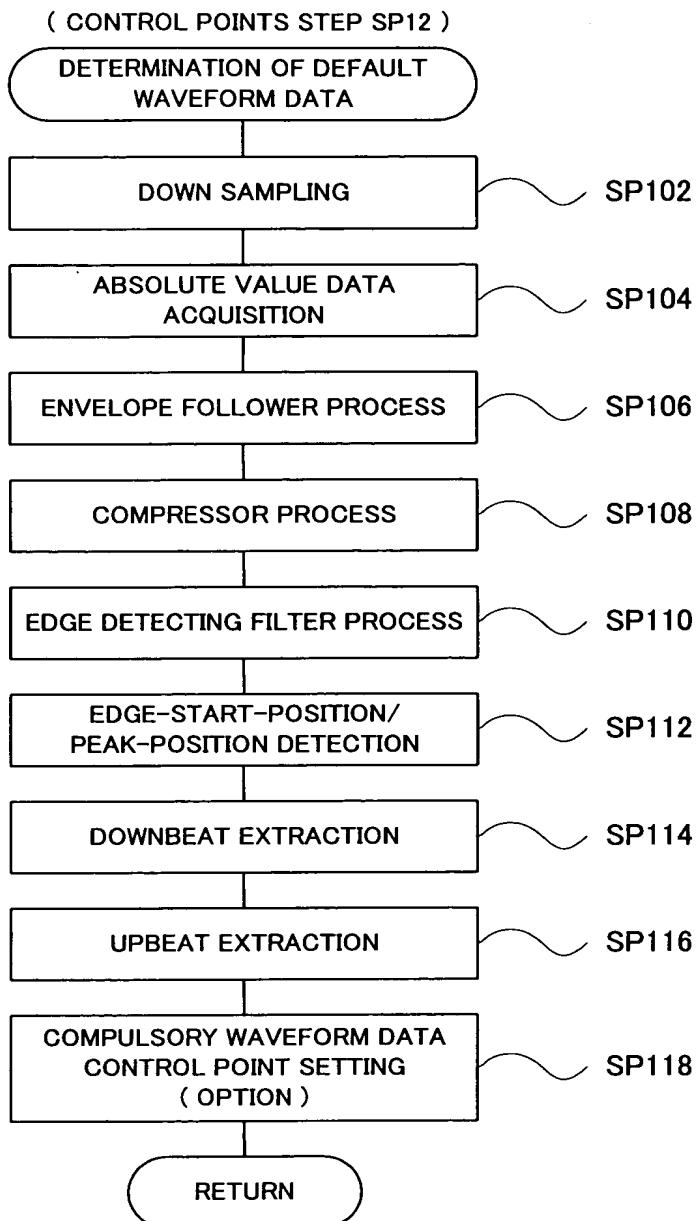
ni

(n+1)r



F I G. 1 5

PRINTED BY "DRAFT"



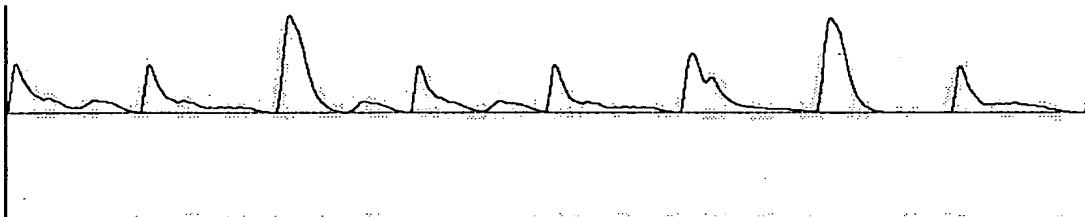
F I G. 6

ABSOLUTE VALUE



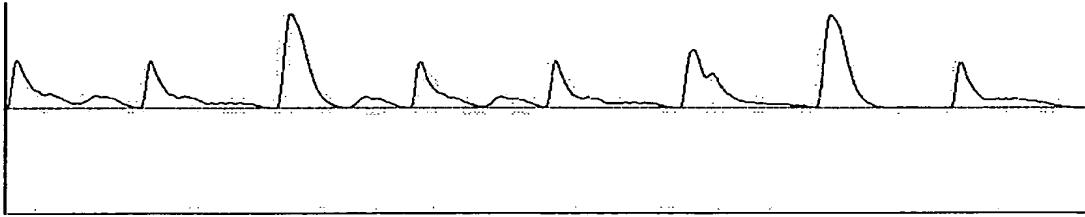
F I G. 7 A

RESULT OF ENVELOPE FOLLOWER PROCESS



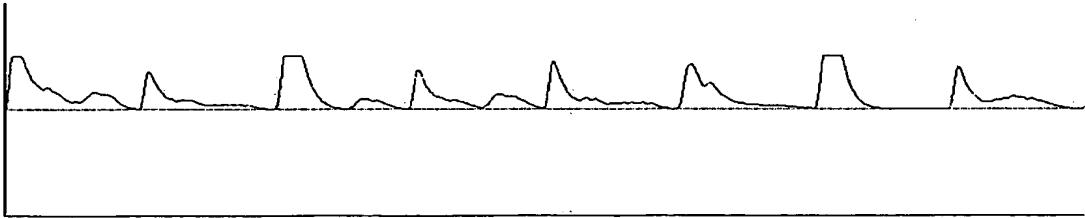
F I G. 7 B

RESULT OF LOW-PASS FILTER PROCESS



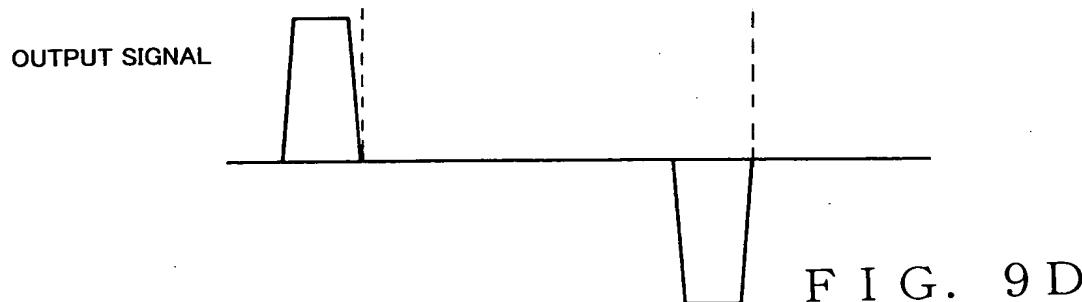
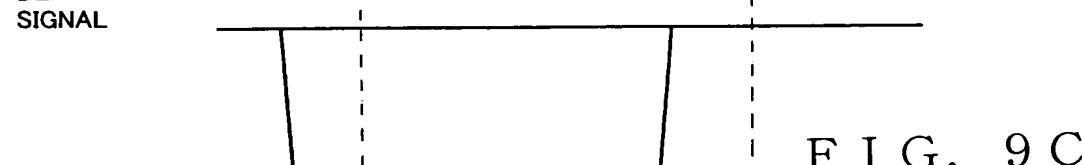
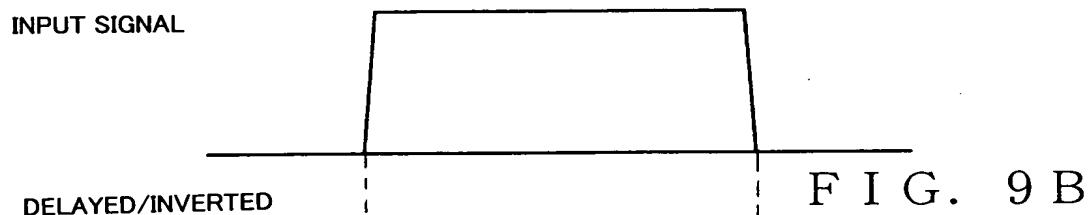
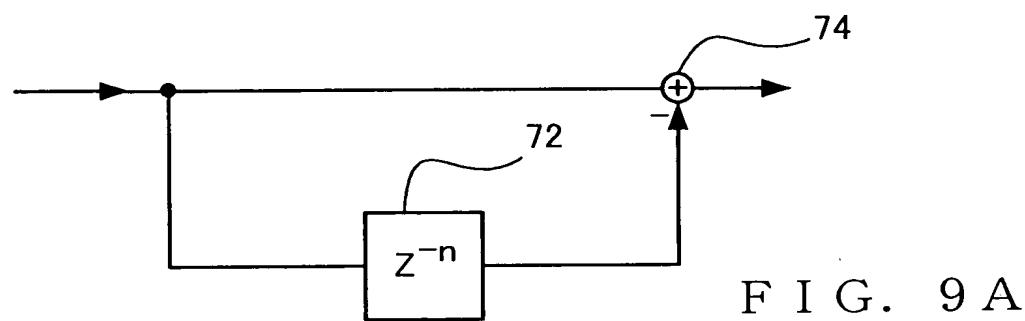
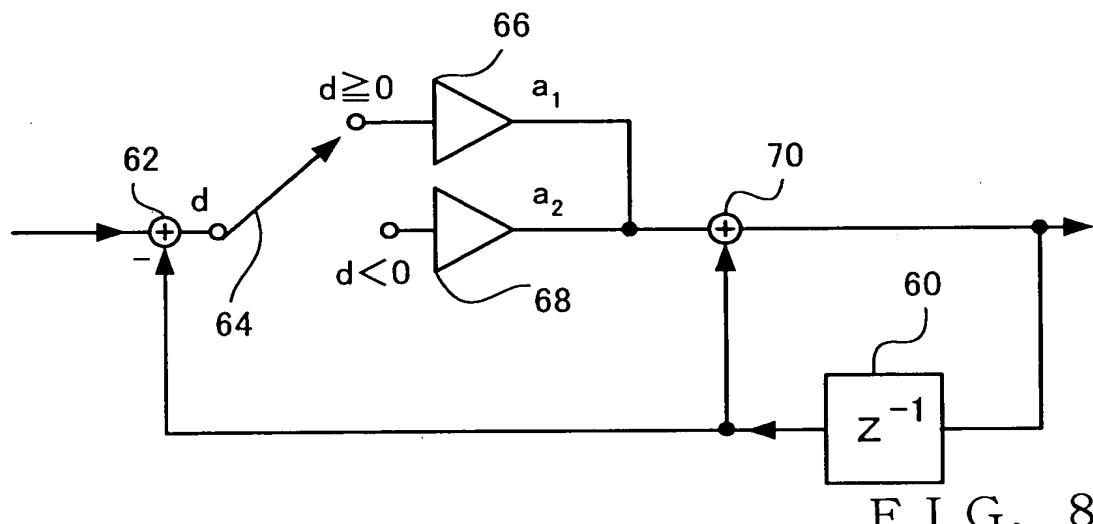
F I G. 7 C

RESULT OF COMPRESSOR PROCESS



F I G. 7 D

40054973.0 1602



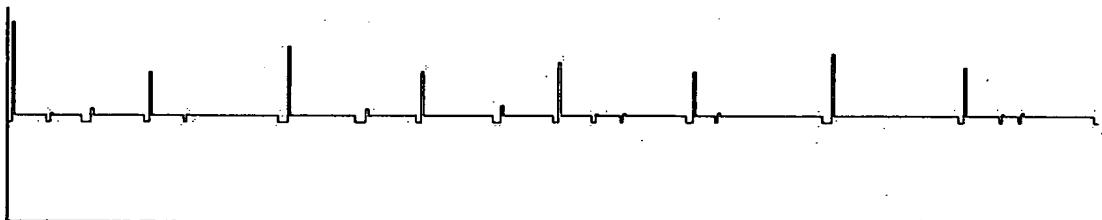
9/19

RESULT OF EDGE EXTRACTION



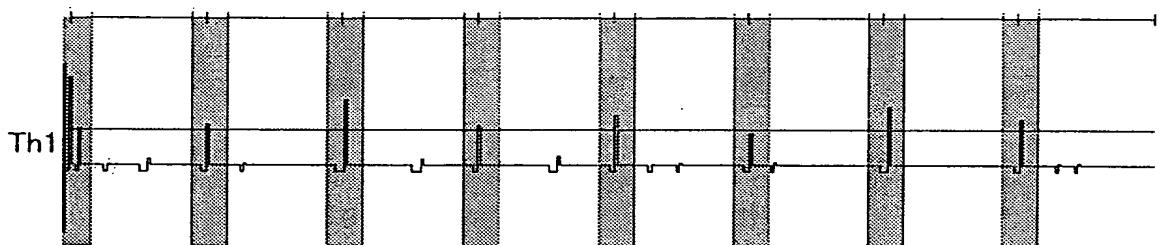
F I G. 1 0 A

EDGE INFORMATION



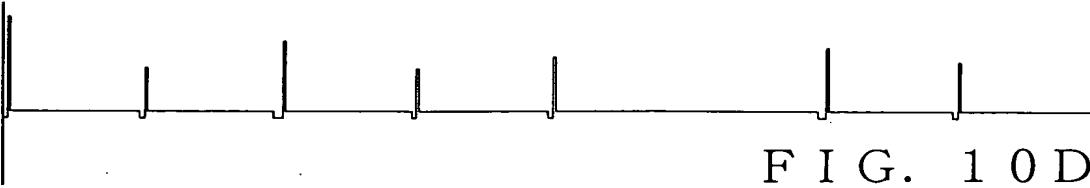
F I G. 1 0 B

DOWNBEAT DETECTING WINDOW



F I G. 1 0 C

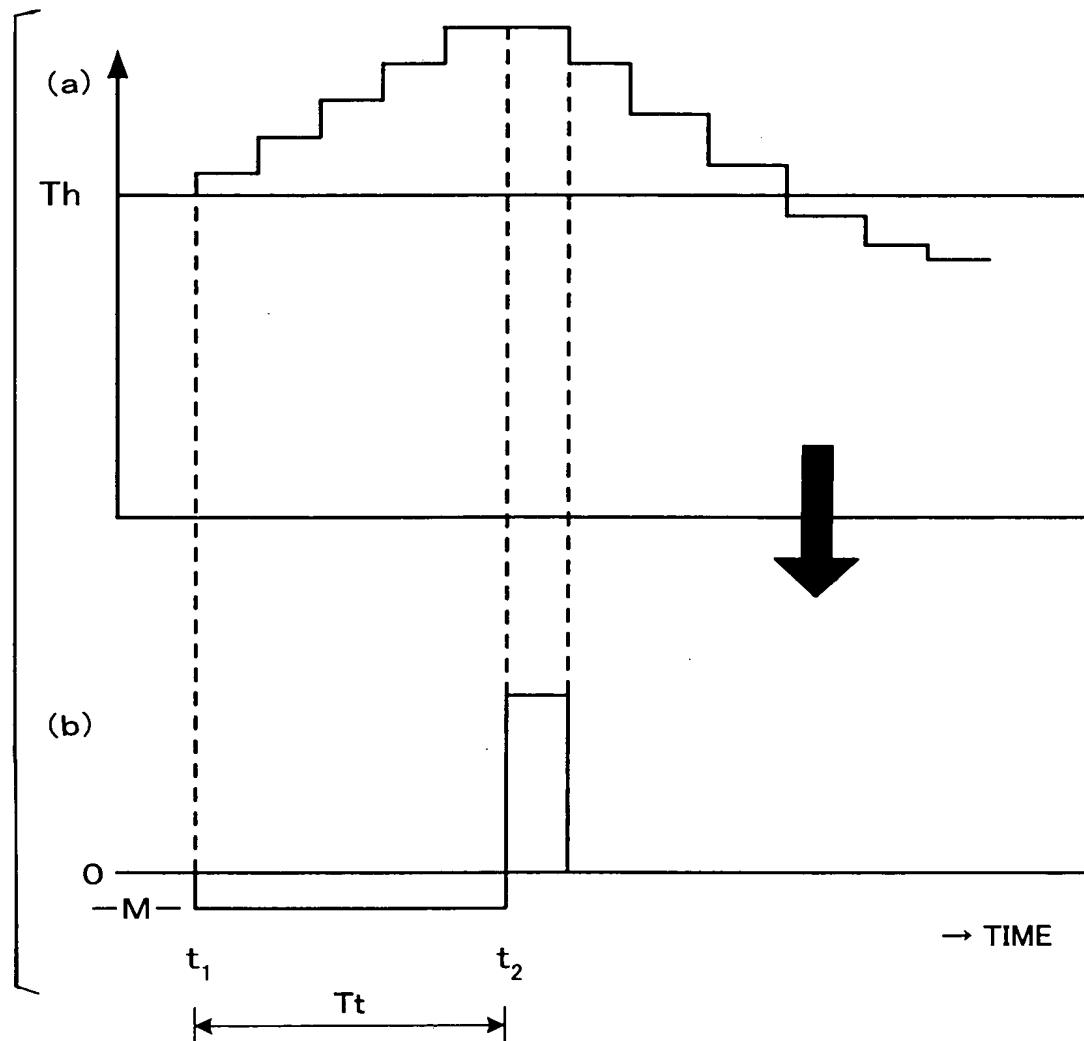
RESULT OF DOWNBEAT DETECTION



F I G. 1 0 D

20251973.011602

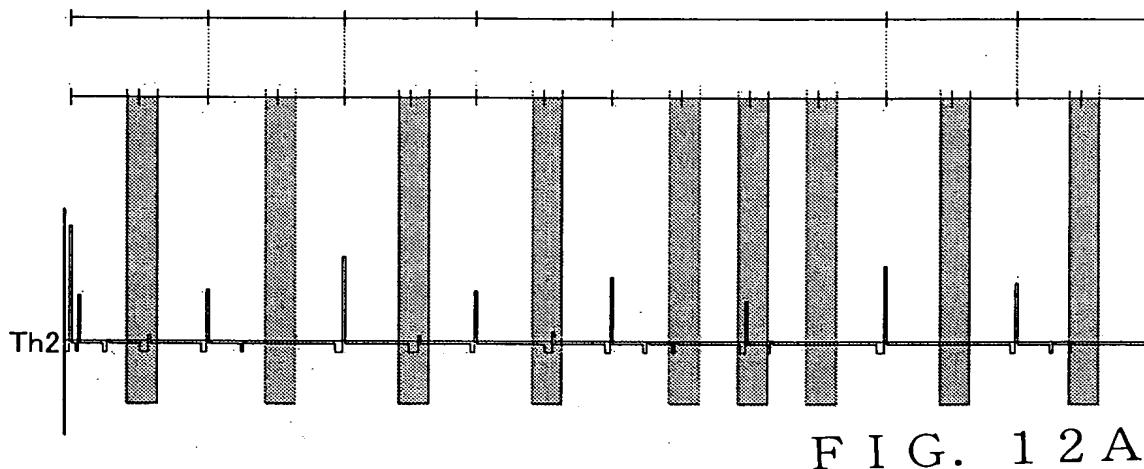
20030320041602



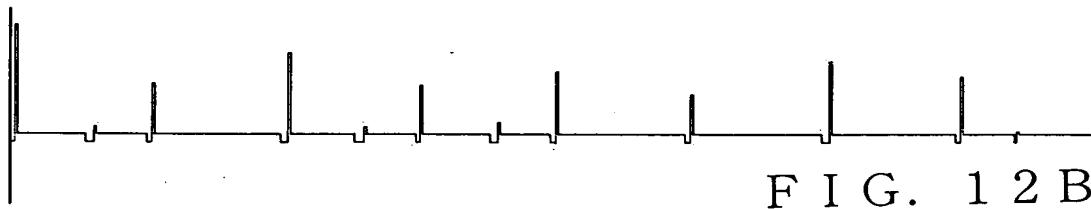
F I G. 1 1

11/19

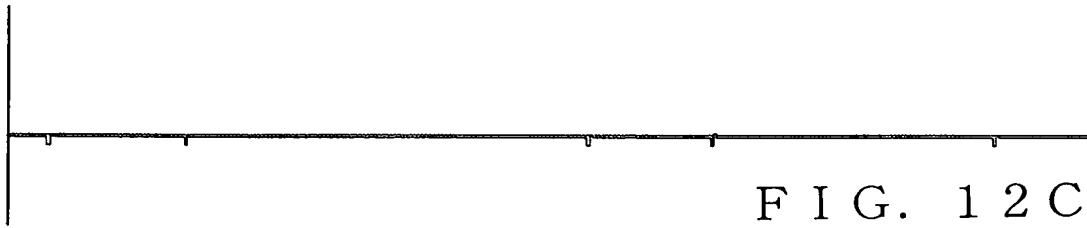
UPBEAT DETECTING WINDOW



RESULT OF DOWNBEAT & UPBEAT DETECTION



EDGE INFORMATION EXCLUDED FROM DETECTING WINDOW



2025 RELEASE UNDER E.O. 14176

10051923041602

nr       $ni = (n+1)r$

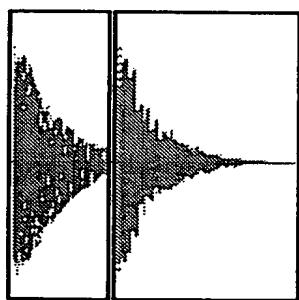


FIG. 13 A

nr      ni

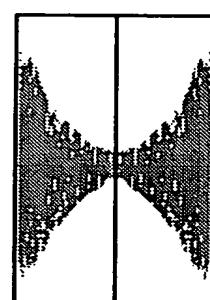


FIG. 13 B

nr

ni

$(n+1)r$

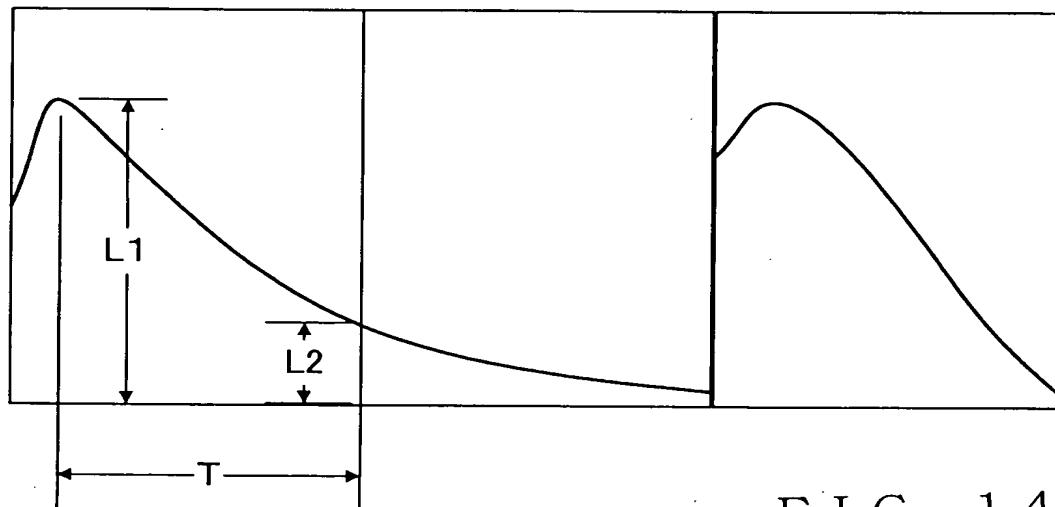
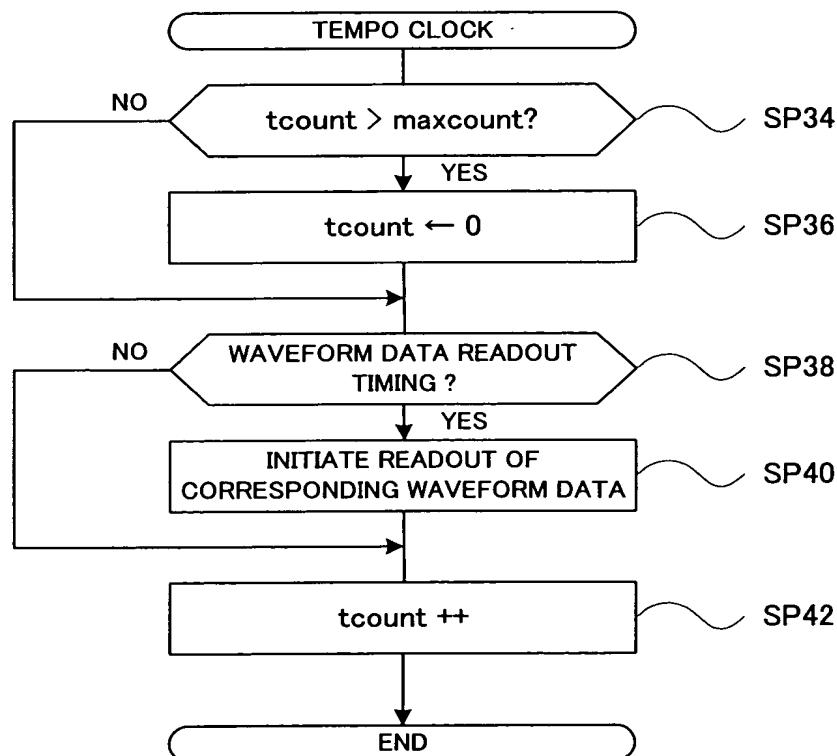


FIG. 14

WAVEFORM-DATA-GENERATION- START TRIGGERING CLOCK COUNT	WAVEFORM DATA	RISING TIME $T_t$ [ msec ]
0	1t	0
28	2t	30
74	3t	40
:	:	:
349	11t	20
370	12t	10

F I G. 1 6

DO NOT SCALE PAGES



F I G. 1 7

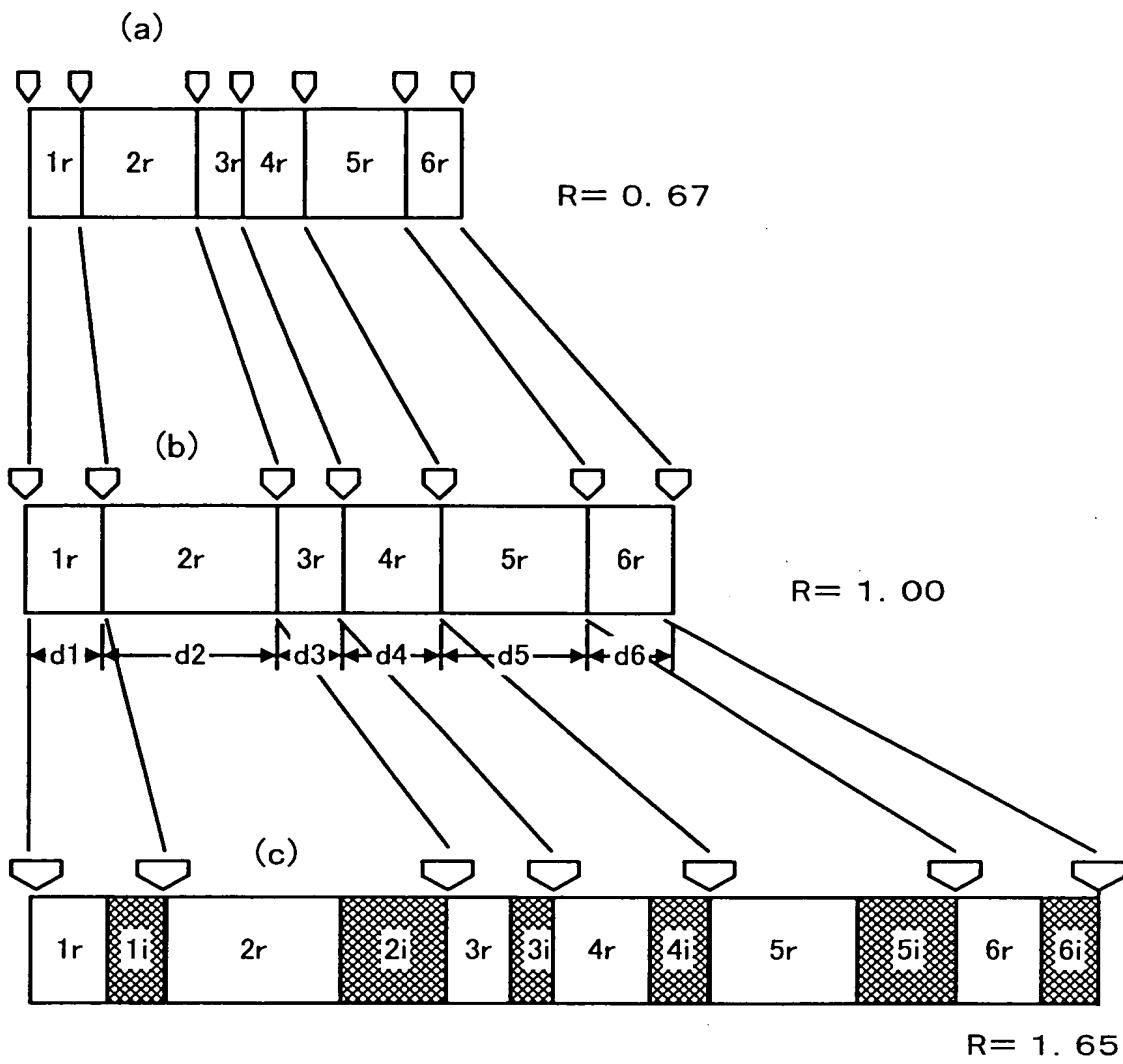


FIG. 18

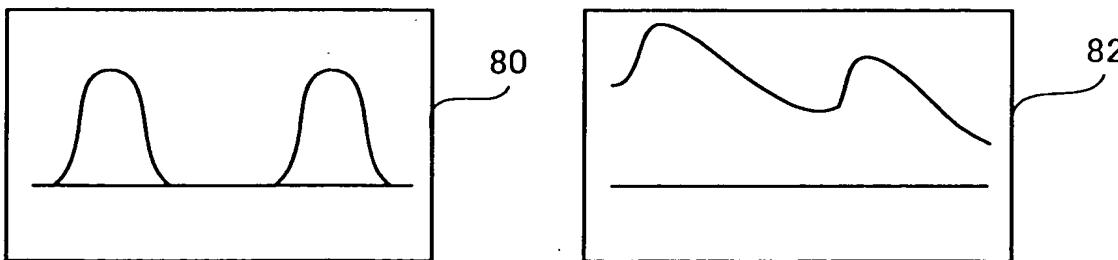


FIG. 19

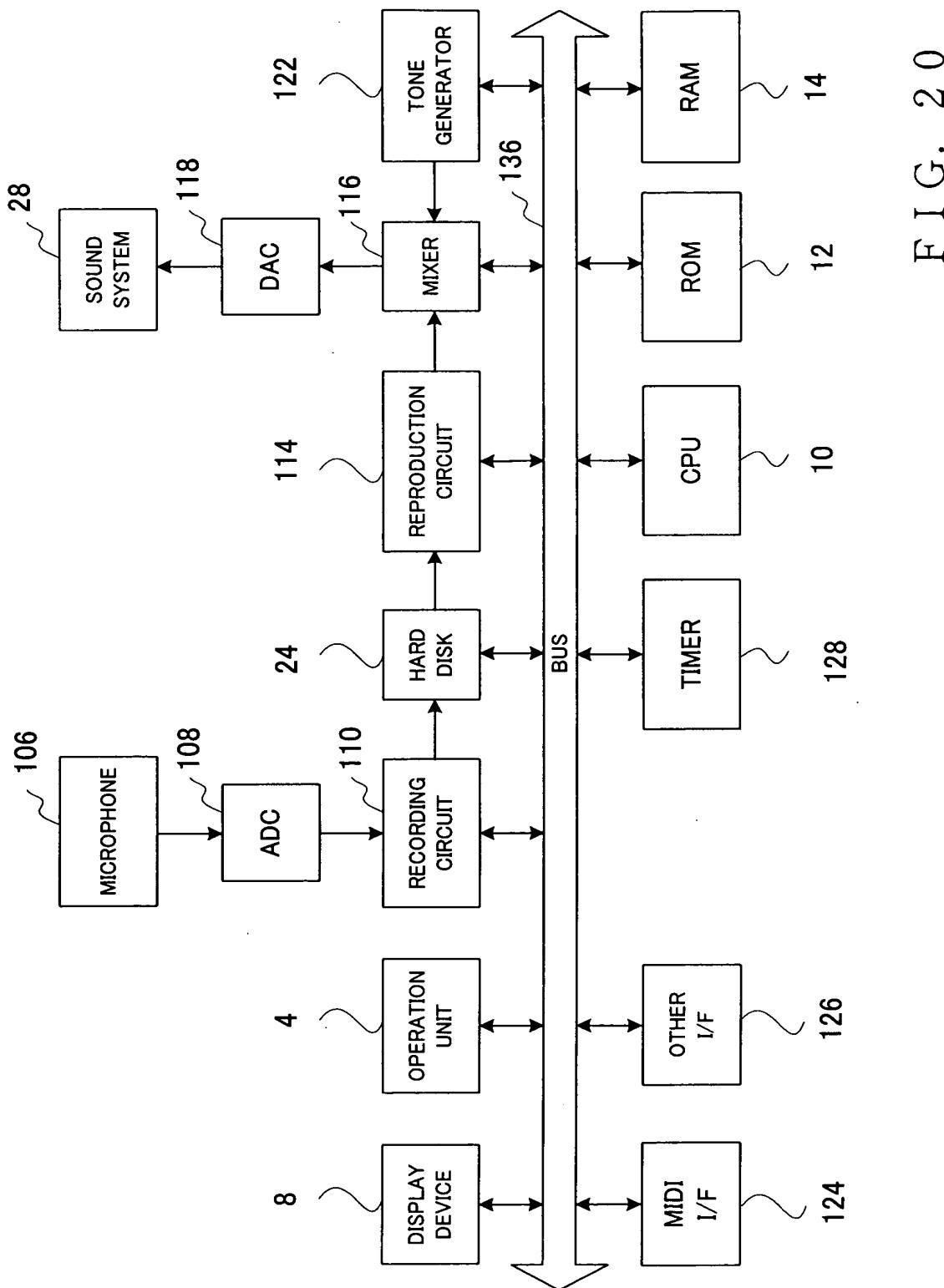
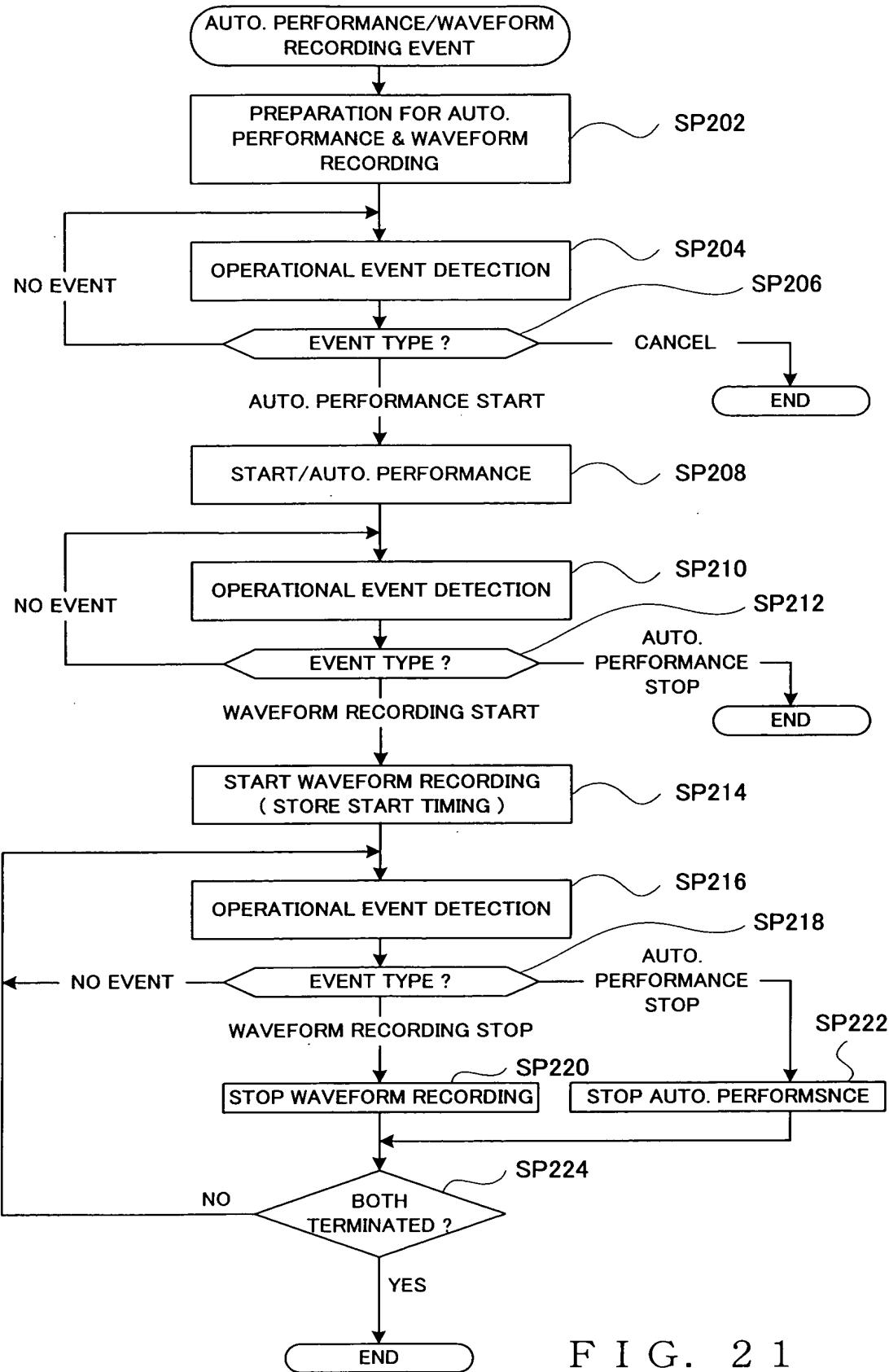


FIG. 20



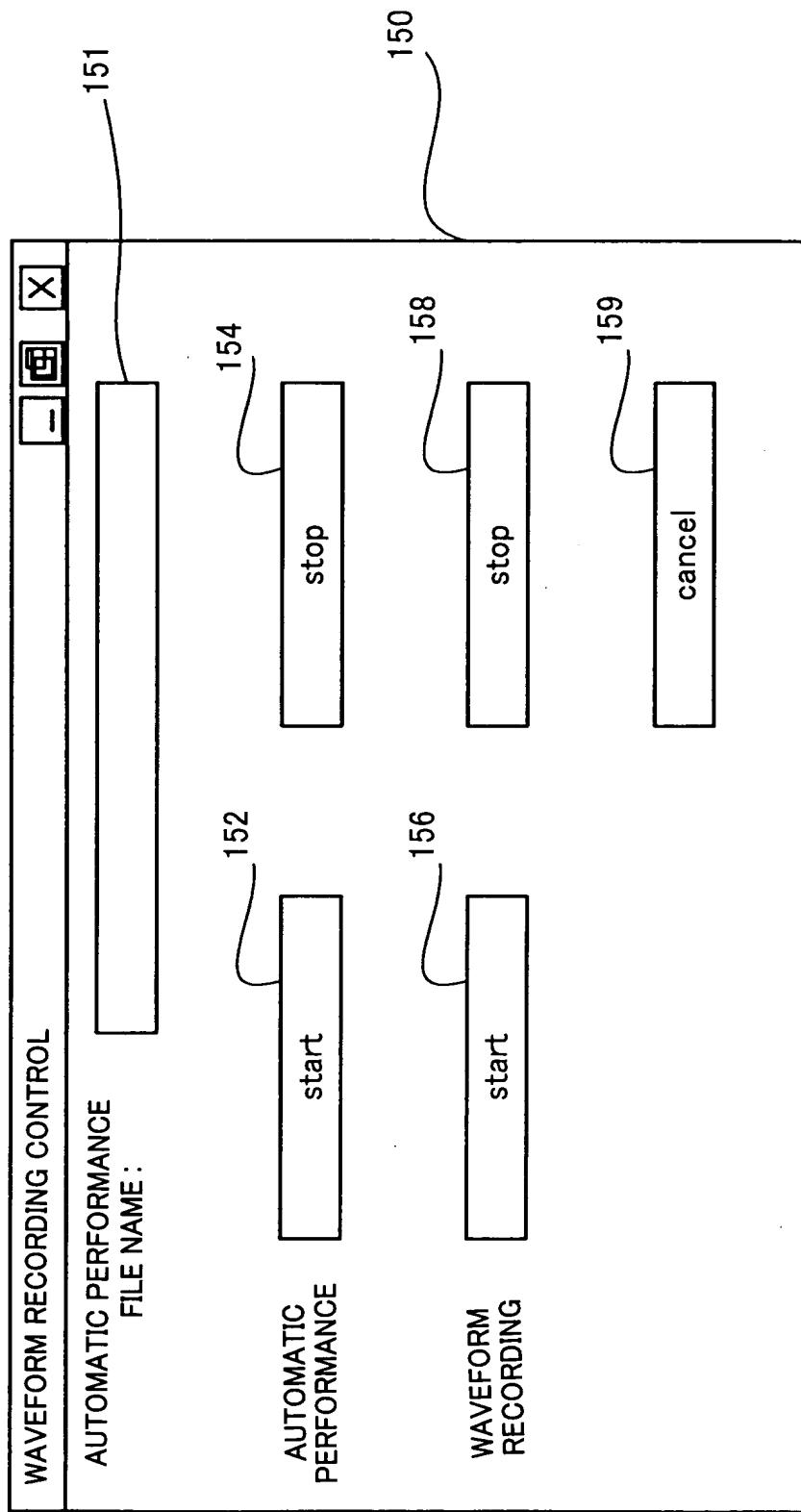


FIG. 22

AUTOMATIC PERFORMANCE DATA

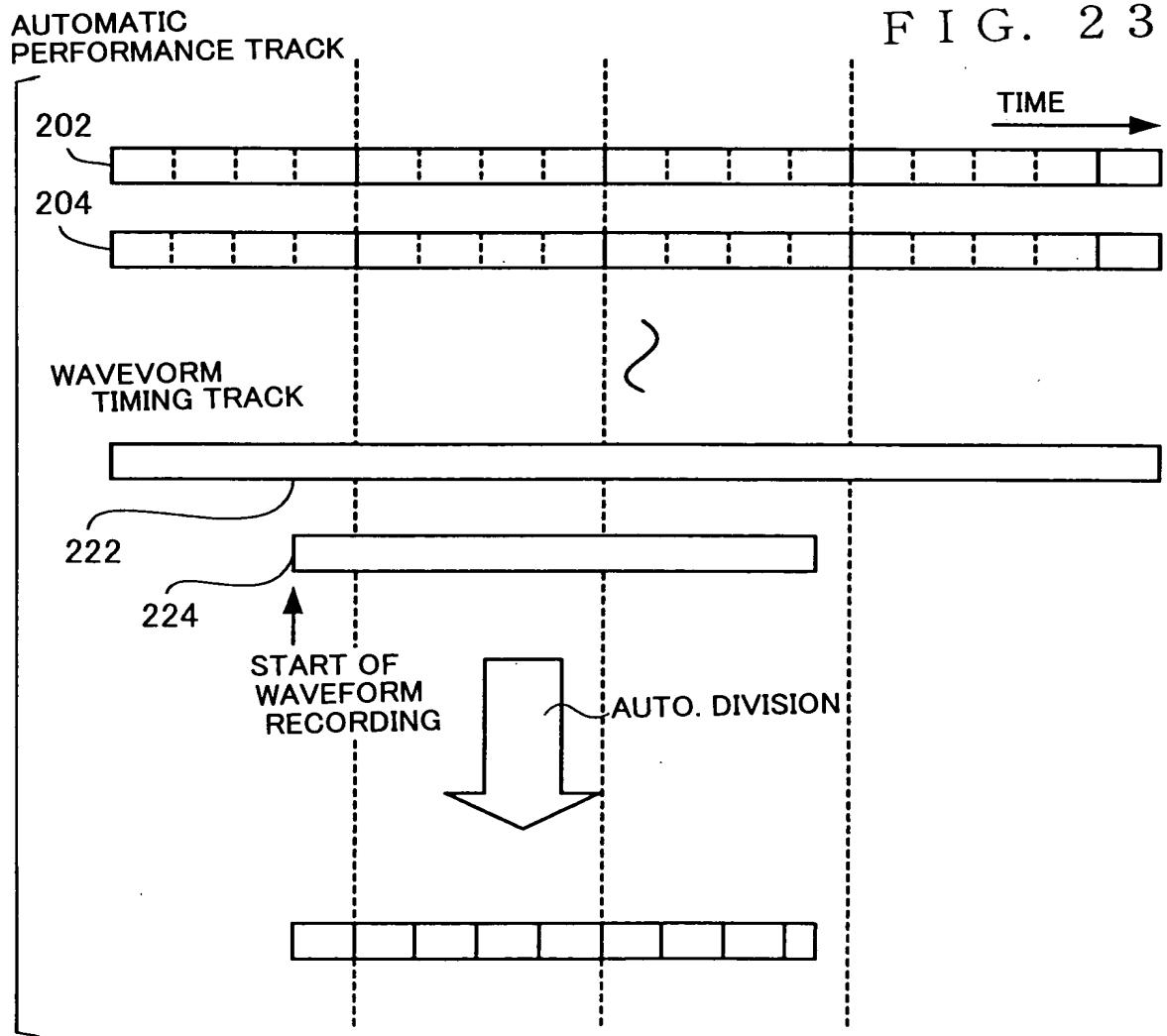


F I G. 2 3 A

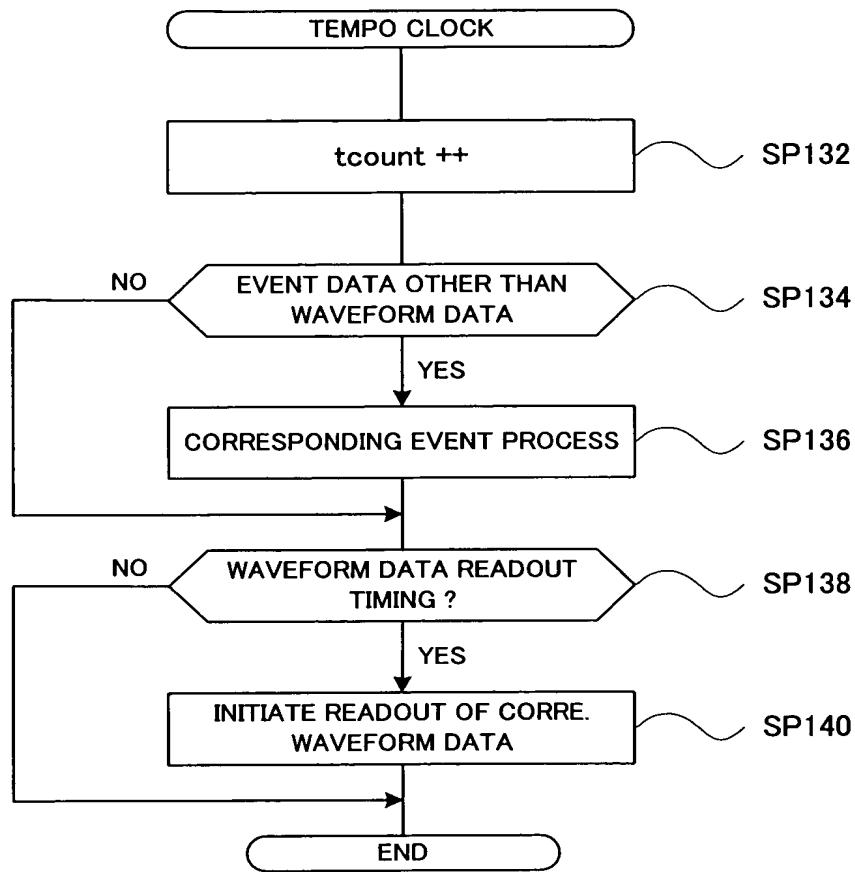
PHRASE WAVEFORM DATA



F I G. 2 3 B



F I G. 2 3 C



F I G. 2 4